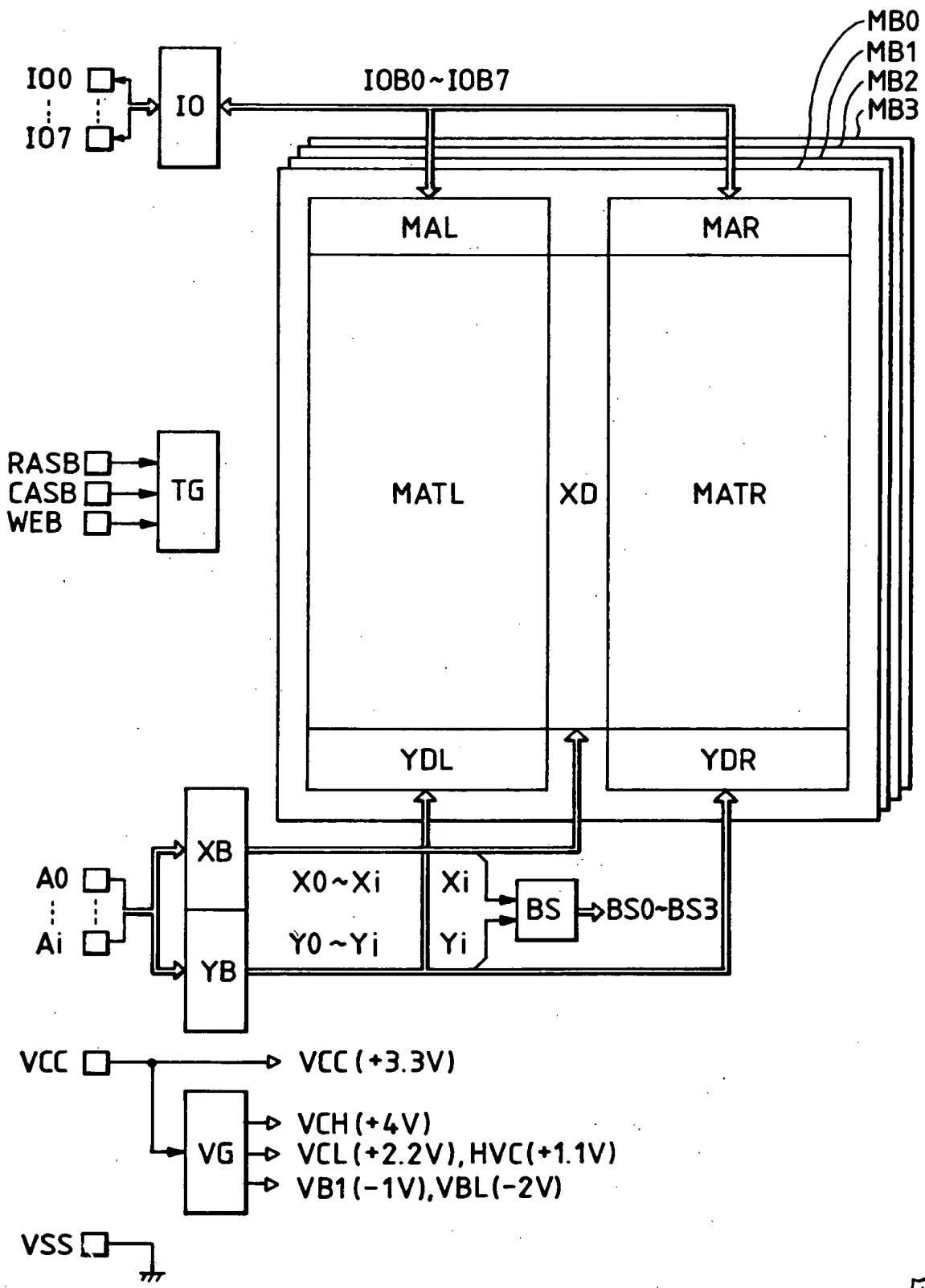


FIG. 1



Eigs. 32

FIG. 2

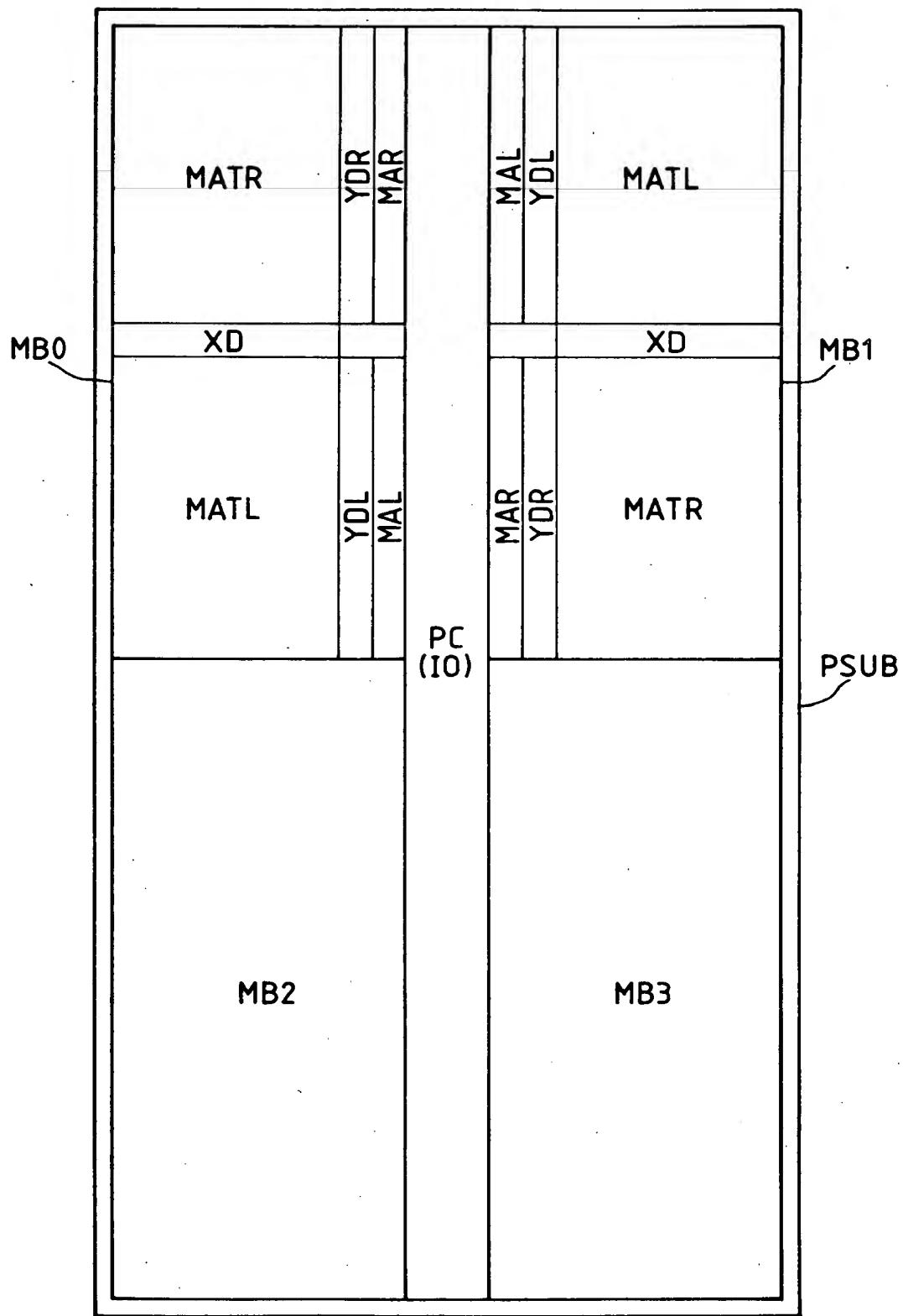


FIG. 3

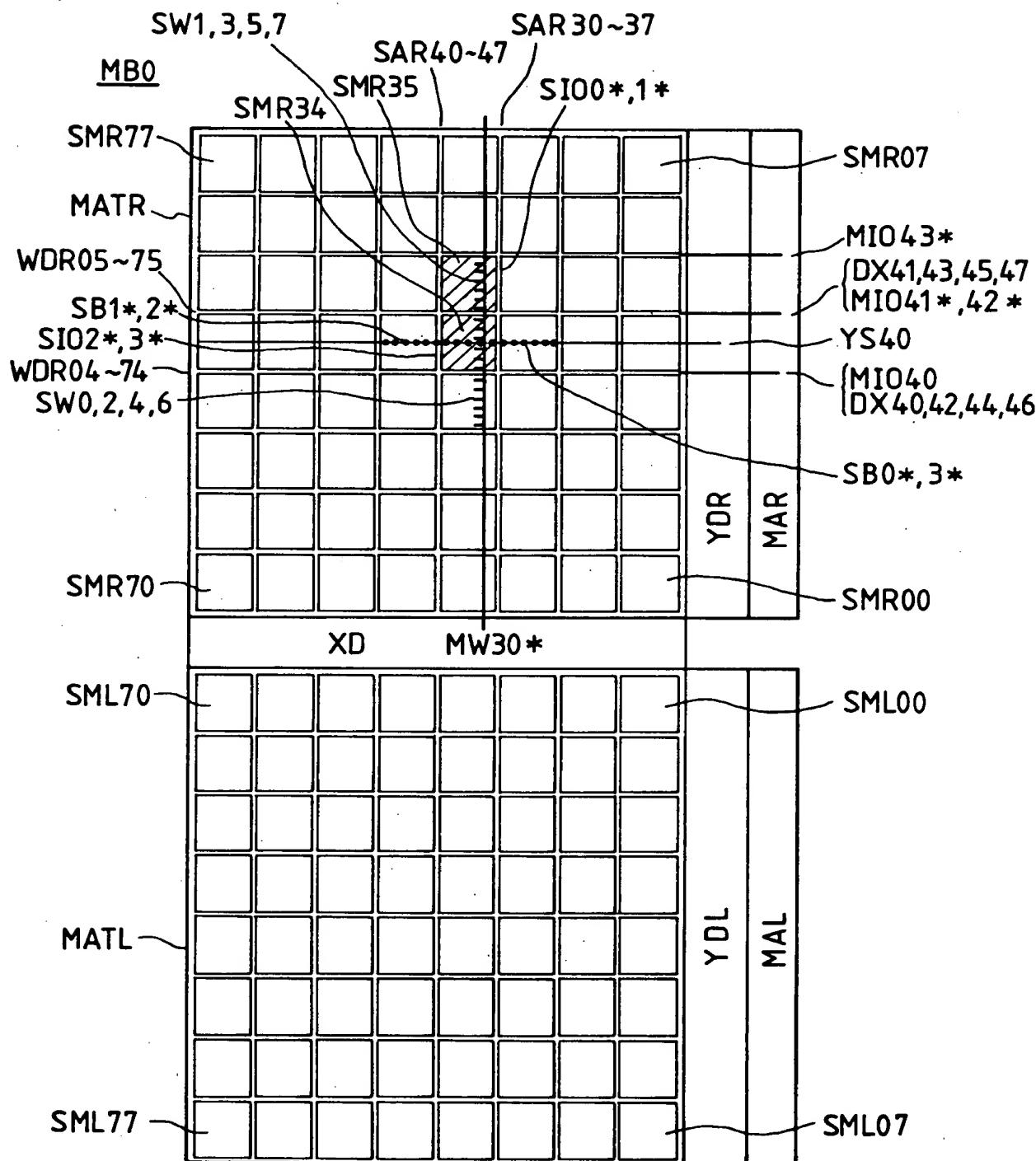
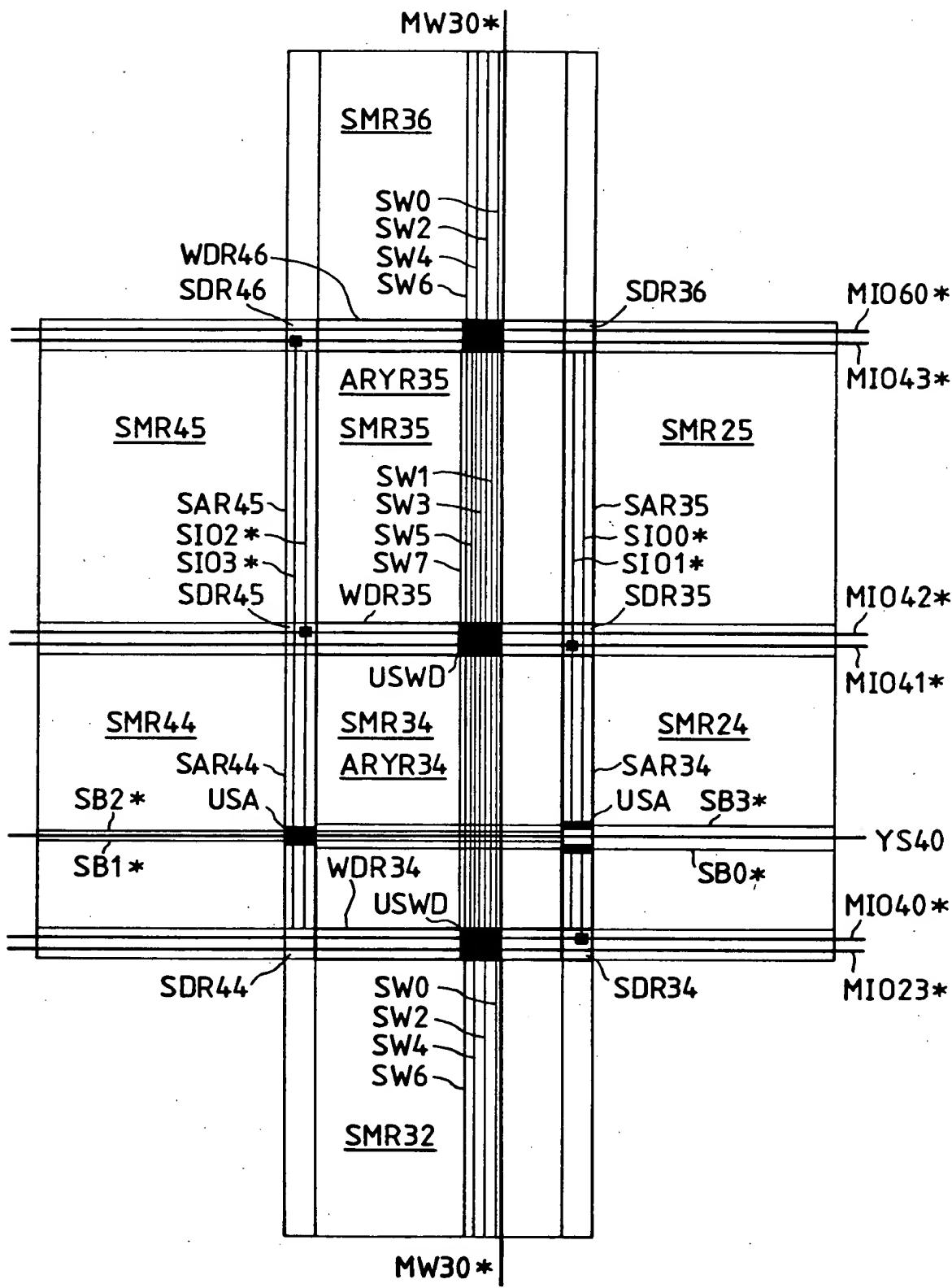


FIG. 4



2020-08-06 09:22:00

FIG. 5

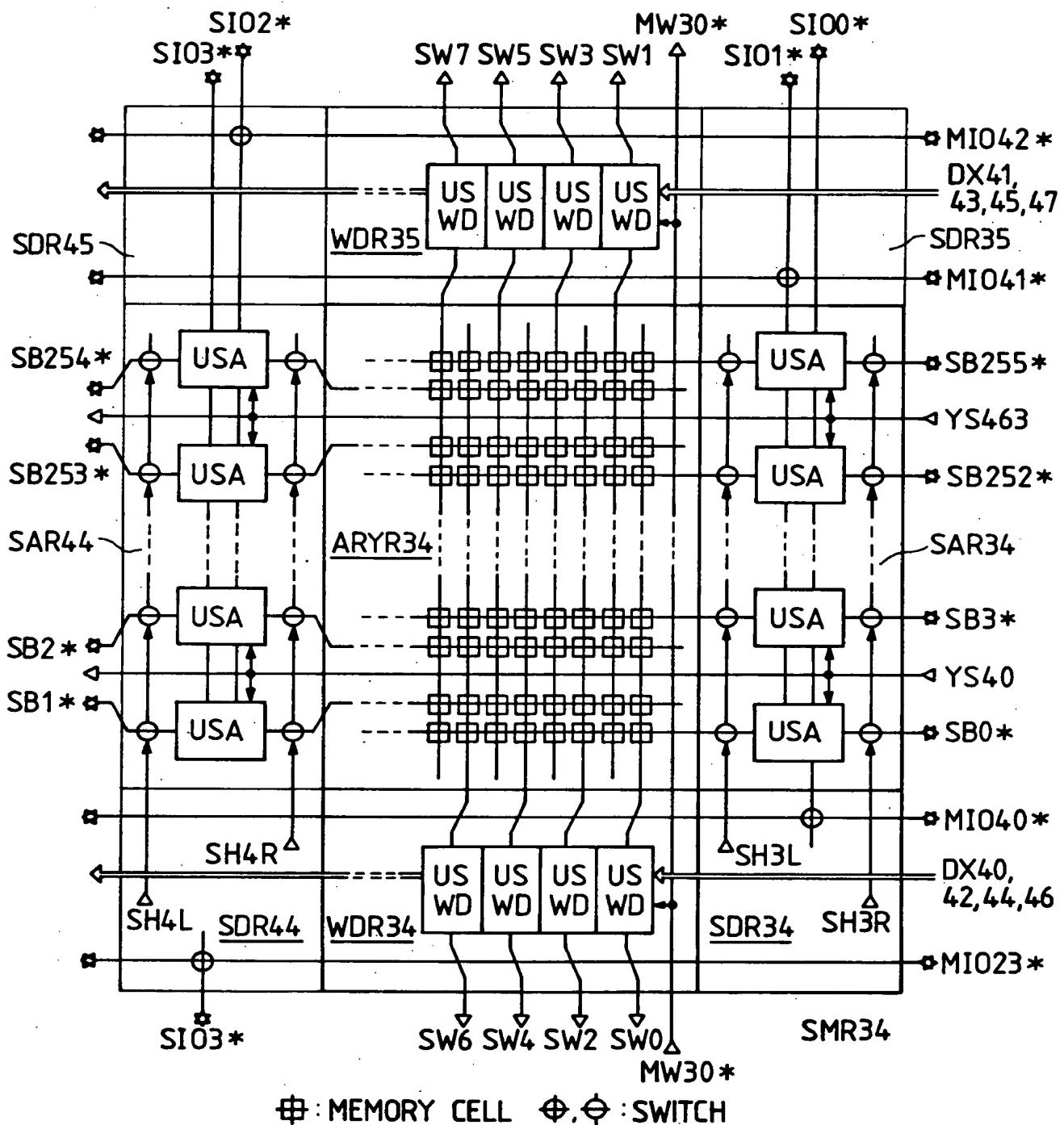


FIG. 6

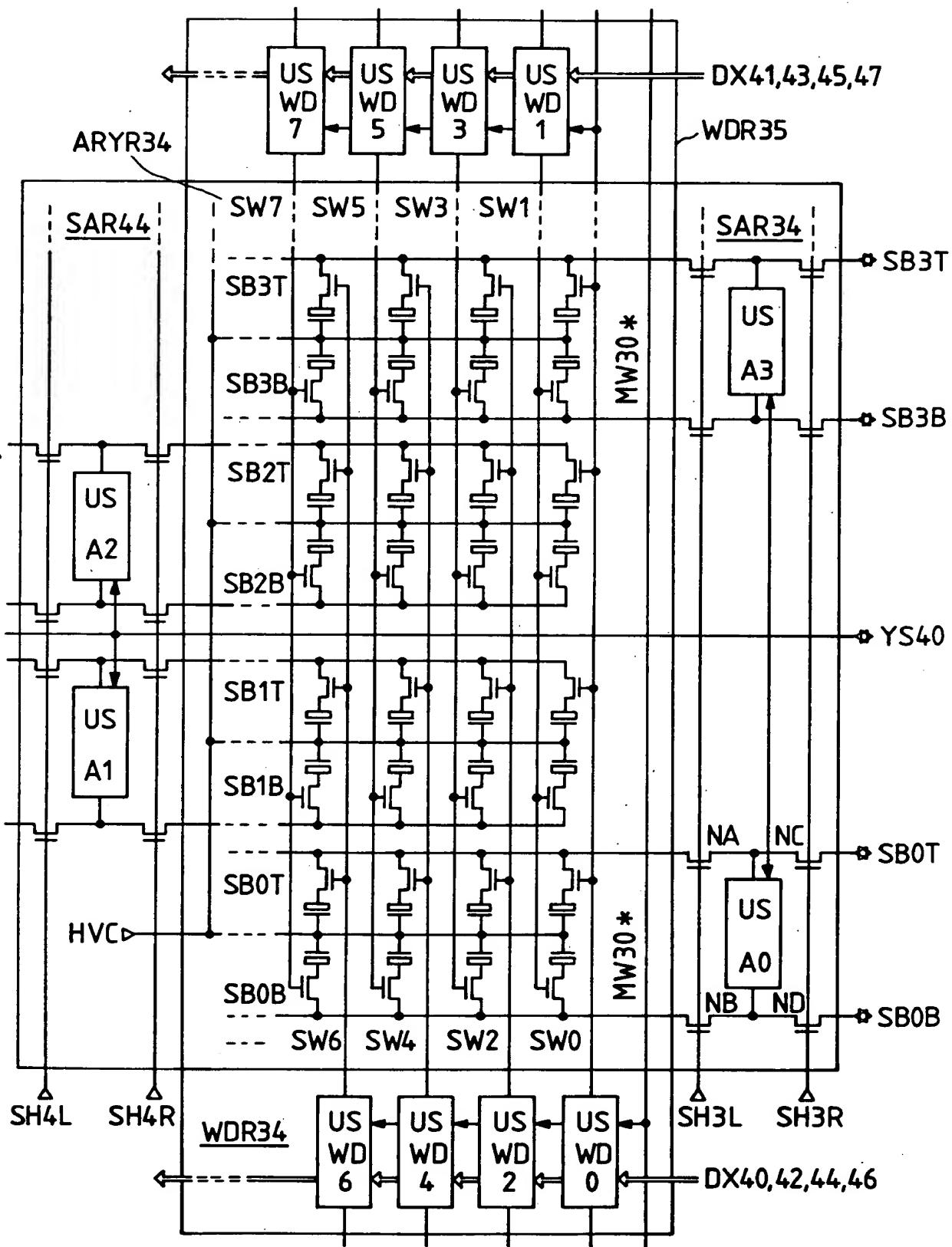


FIG. 7(A)

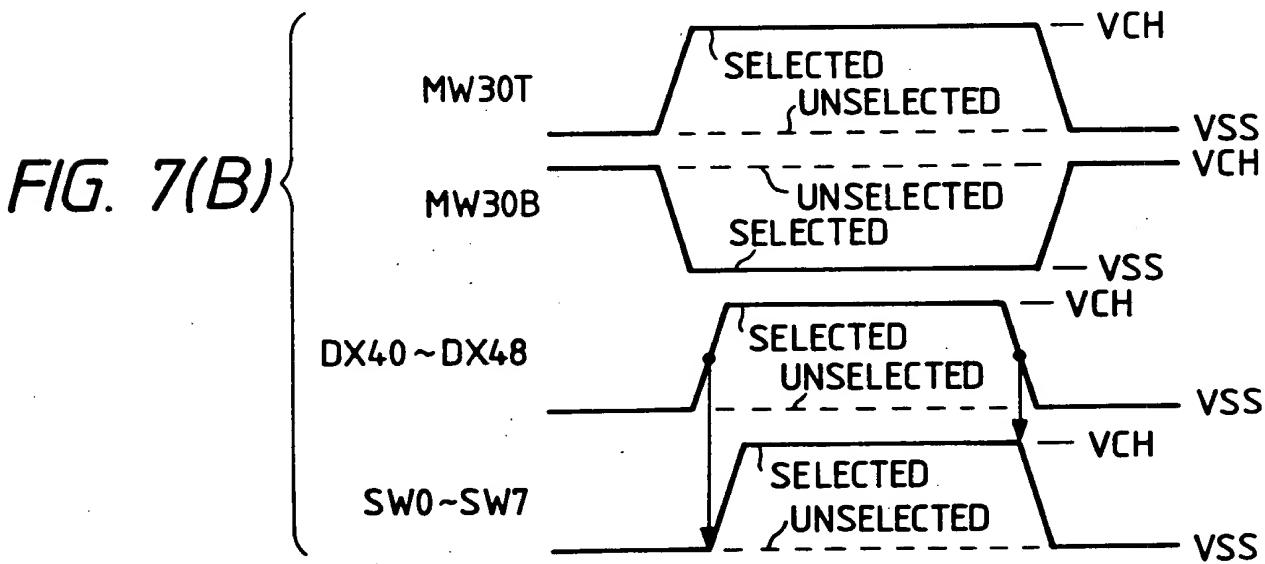
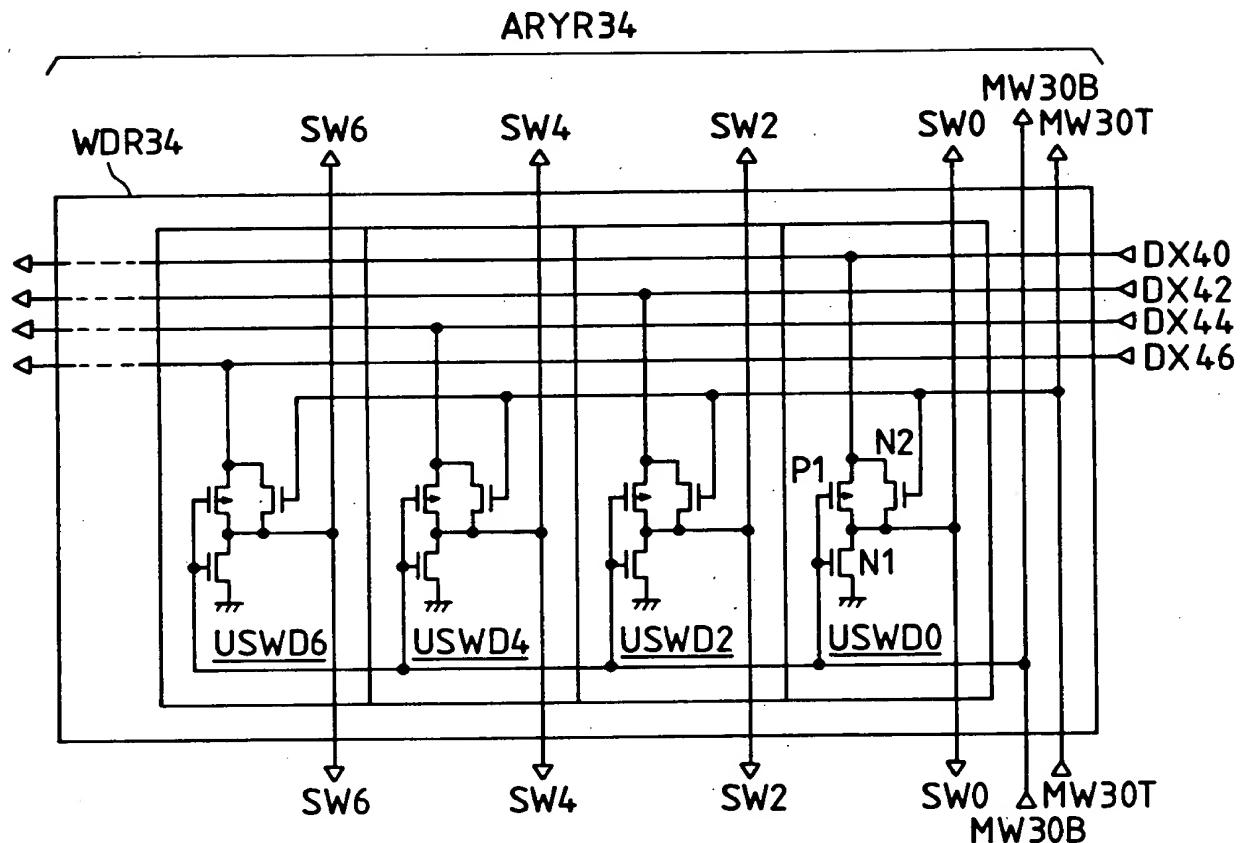
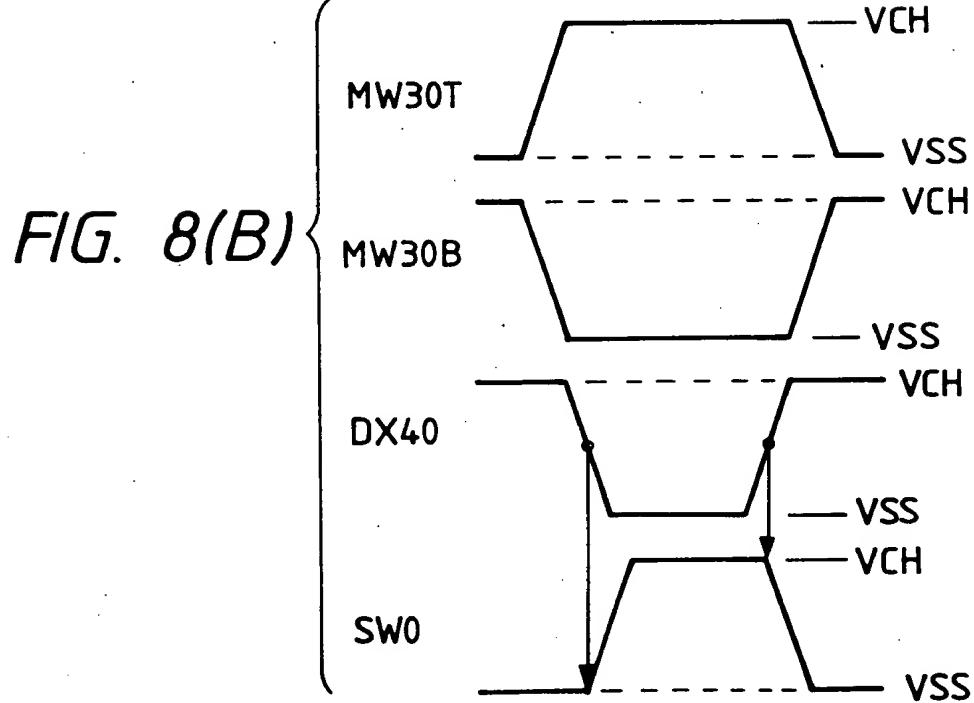
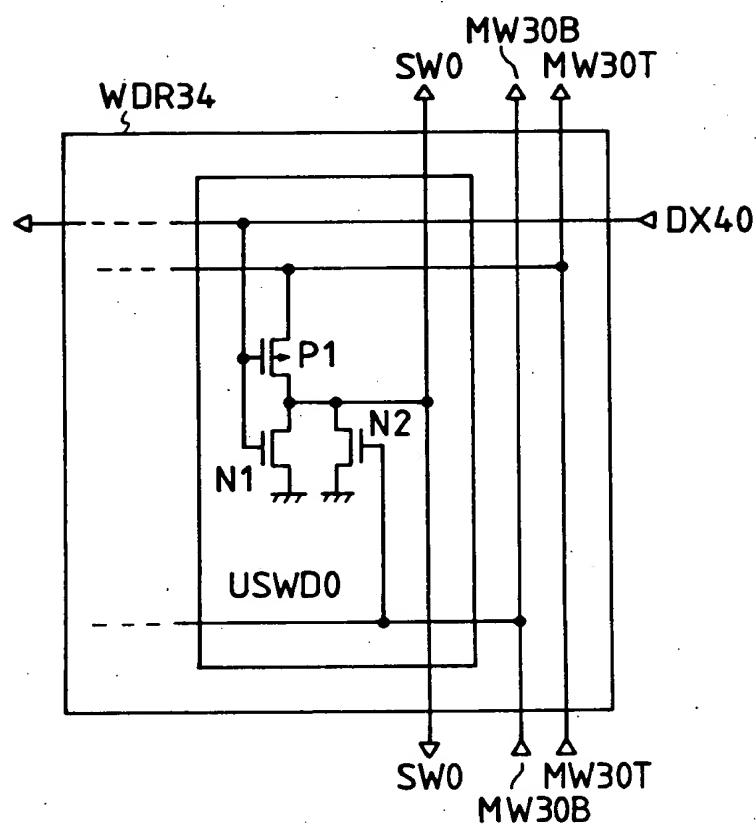


FIG. 8(A)



9/22

FIG. 9(A)

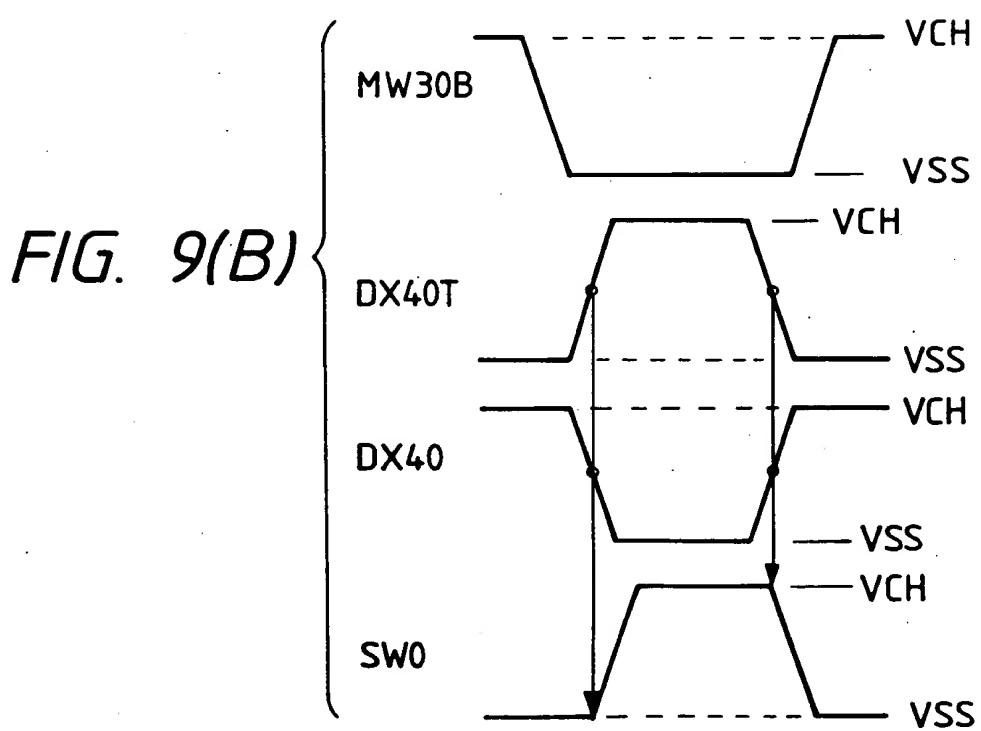
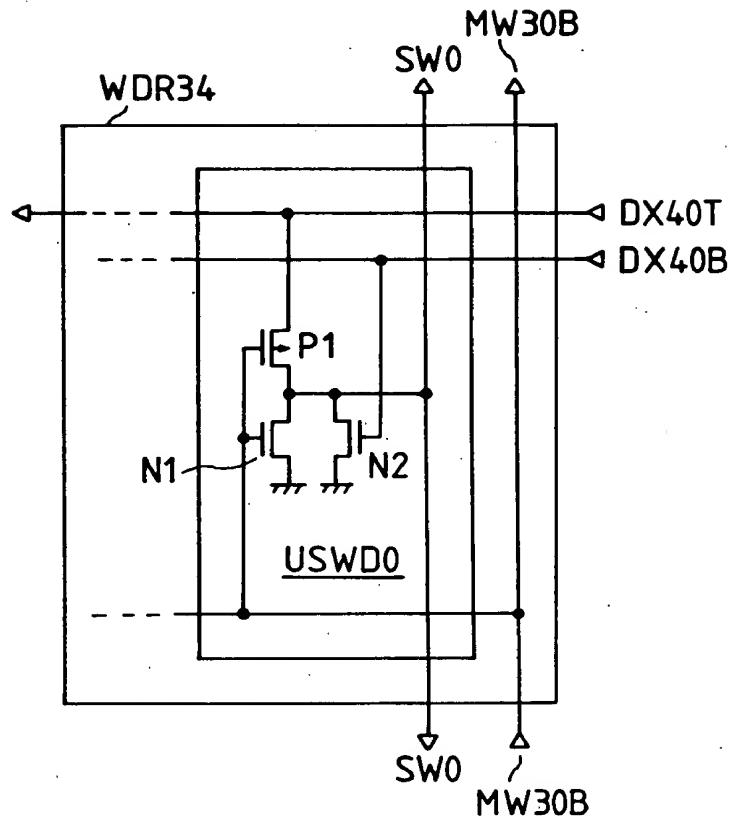


FIG. 10

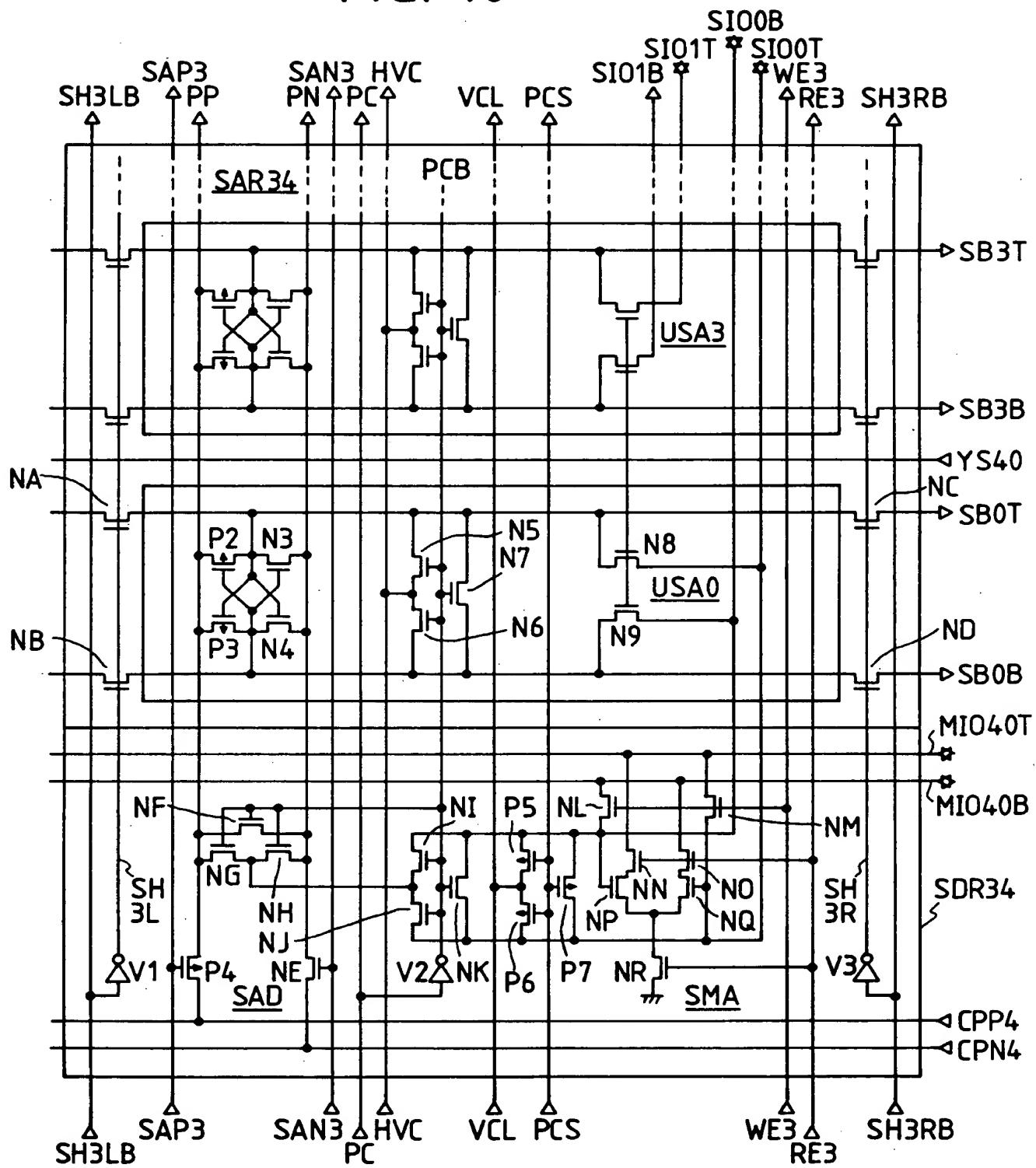


FIG. 11

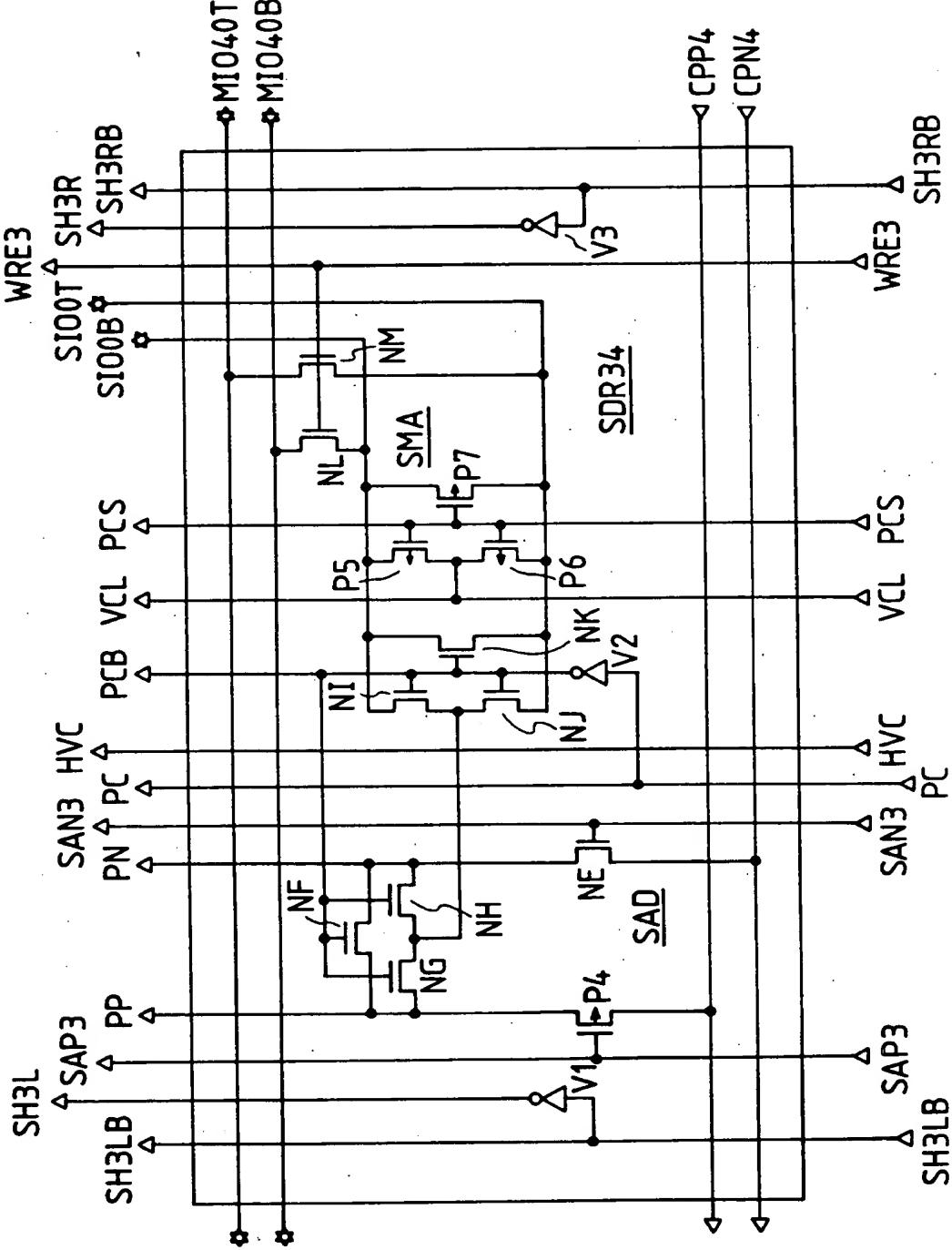


FIG. 12

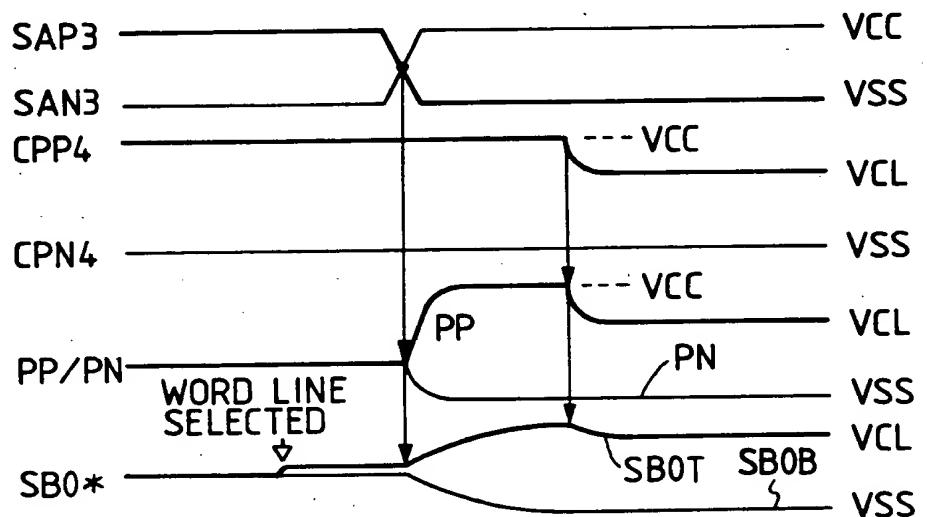


FIG. 14

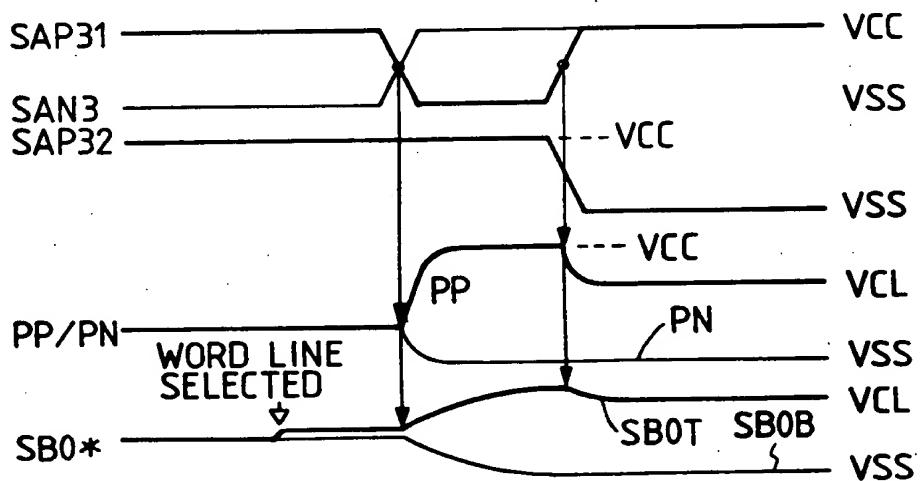


FIG. 13

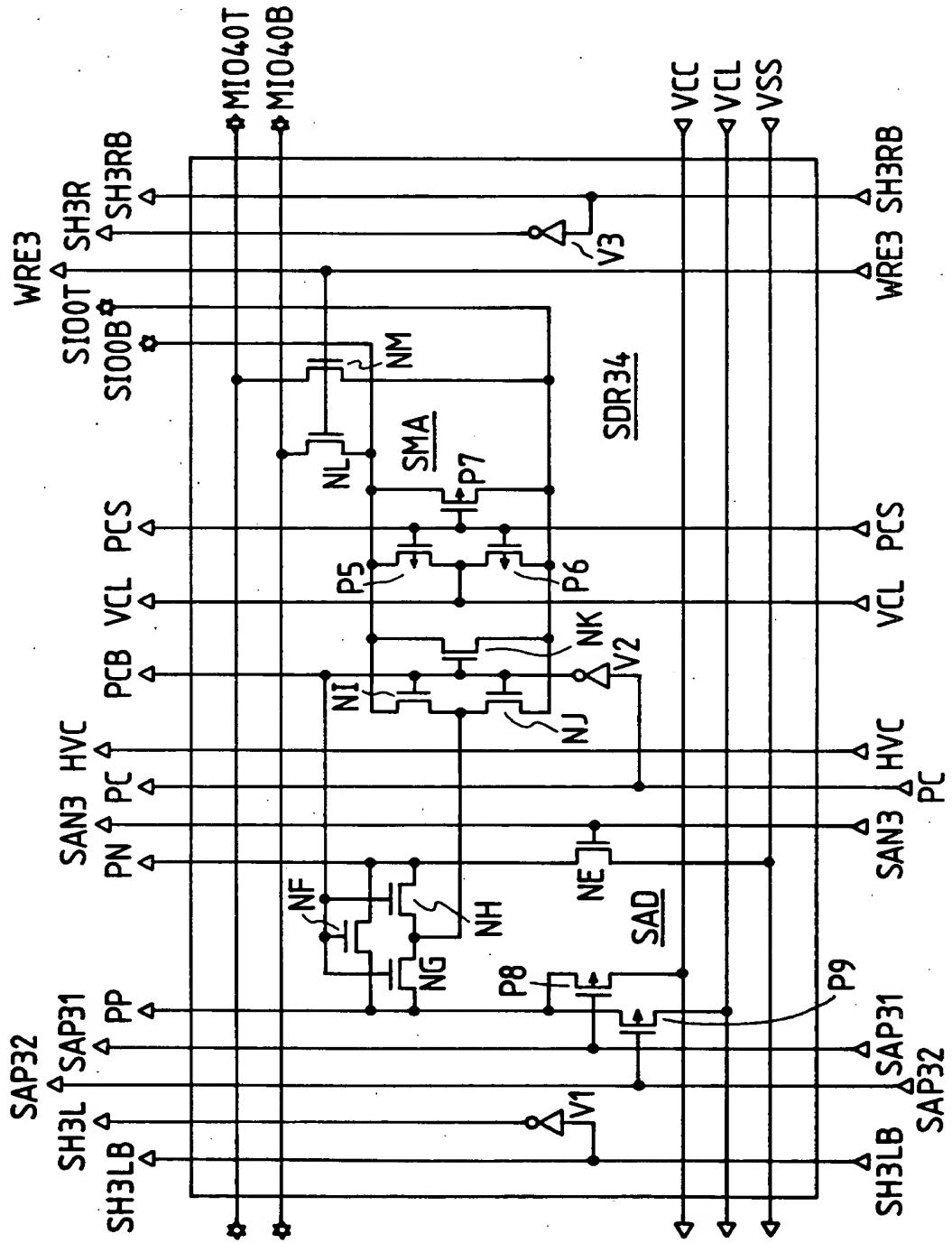


FIG. 15

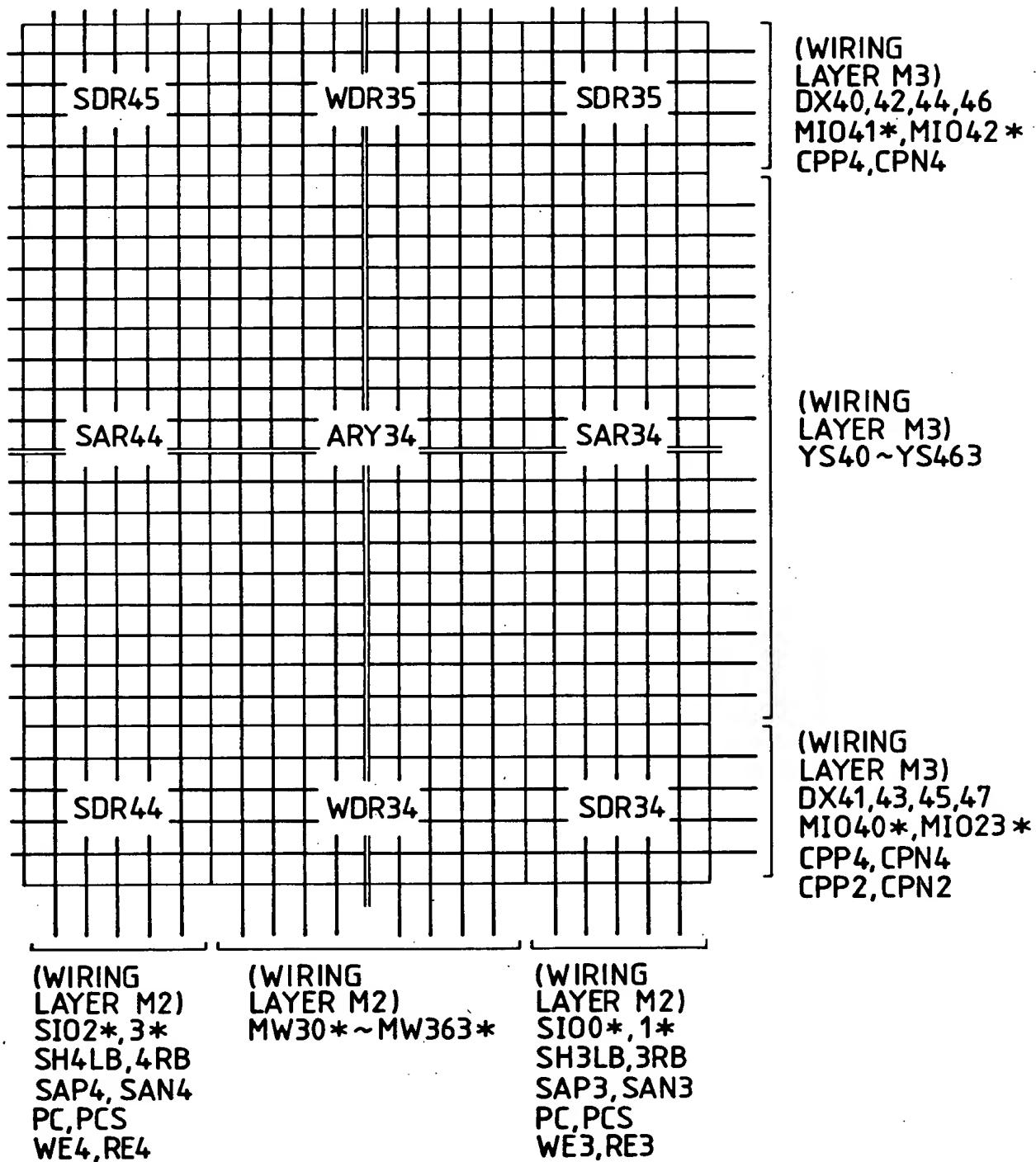


FIG. 16

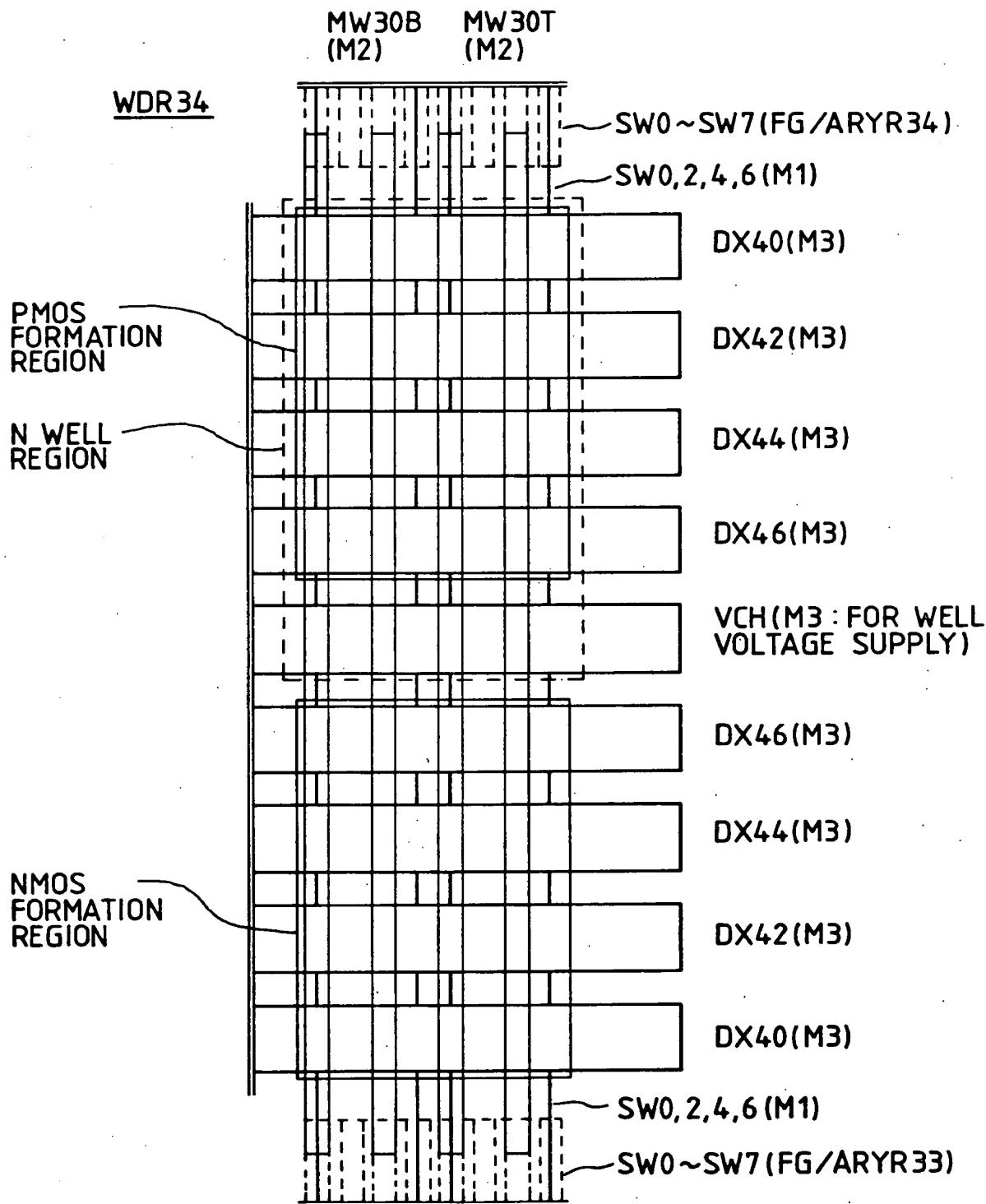
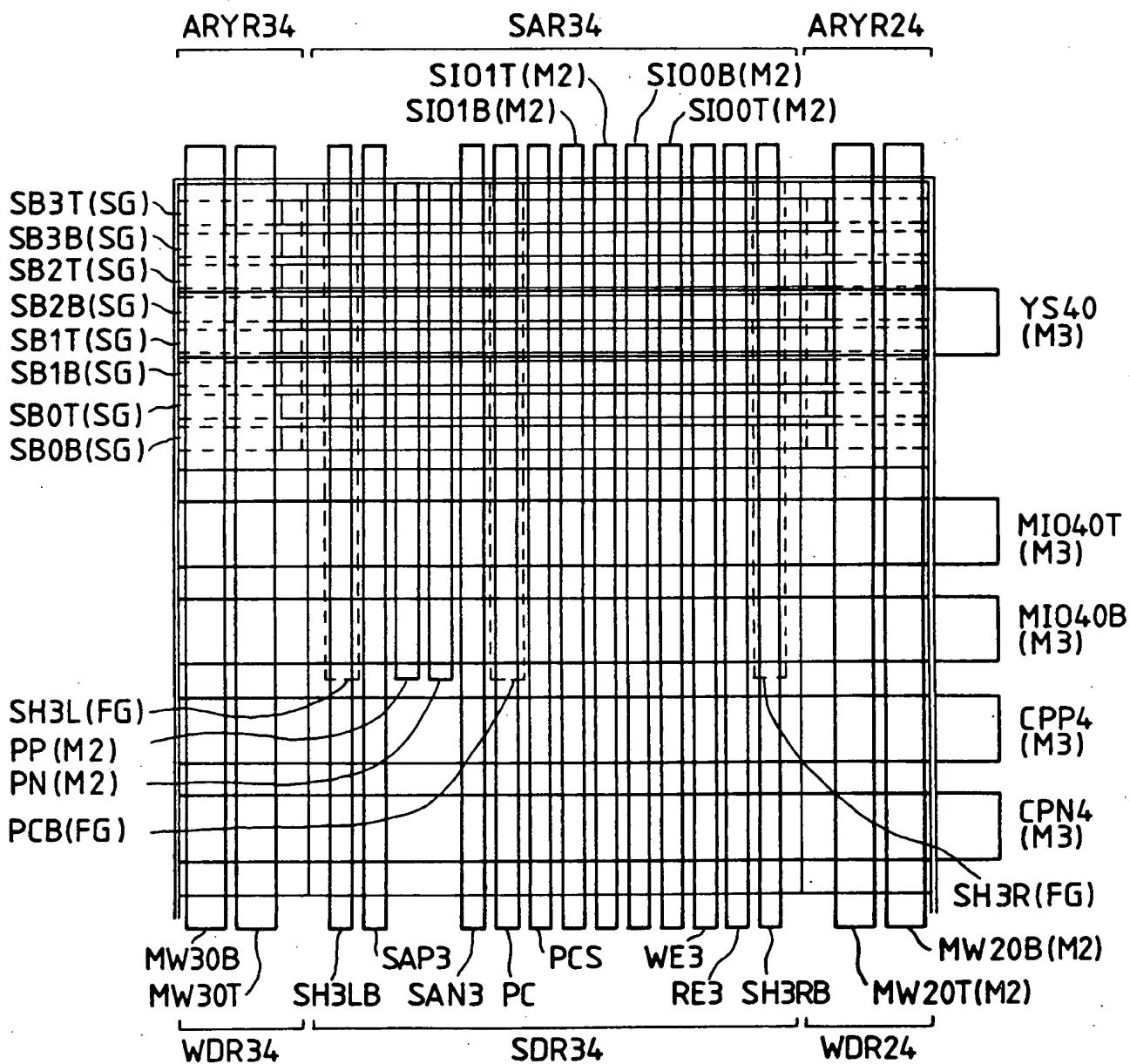


FIG. 17



088982398 - 120297

FIG. 18

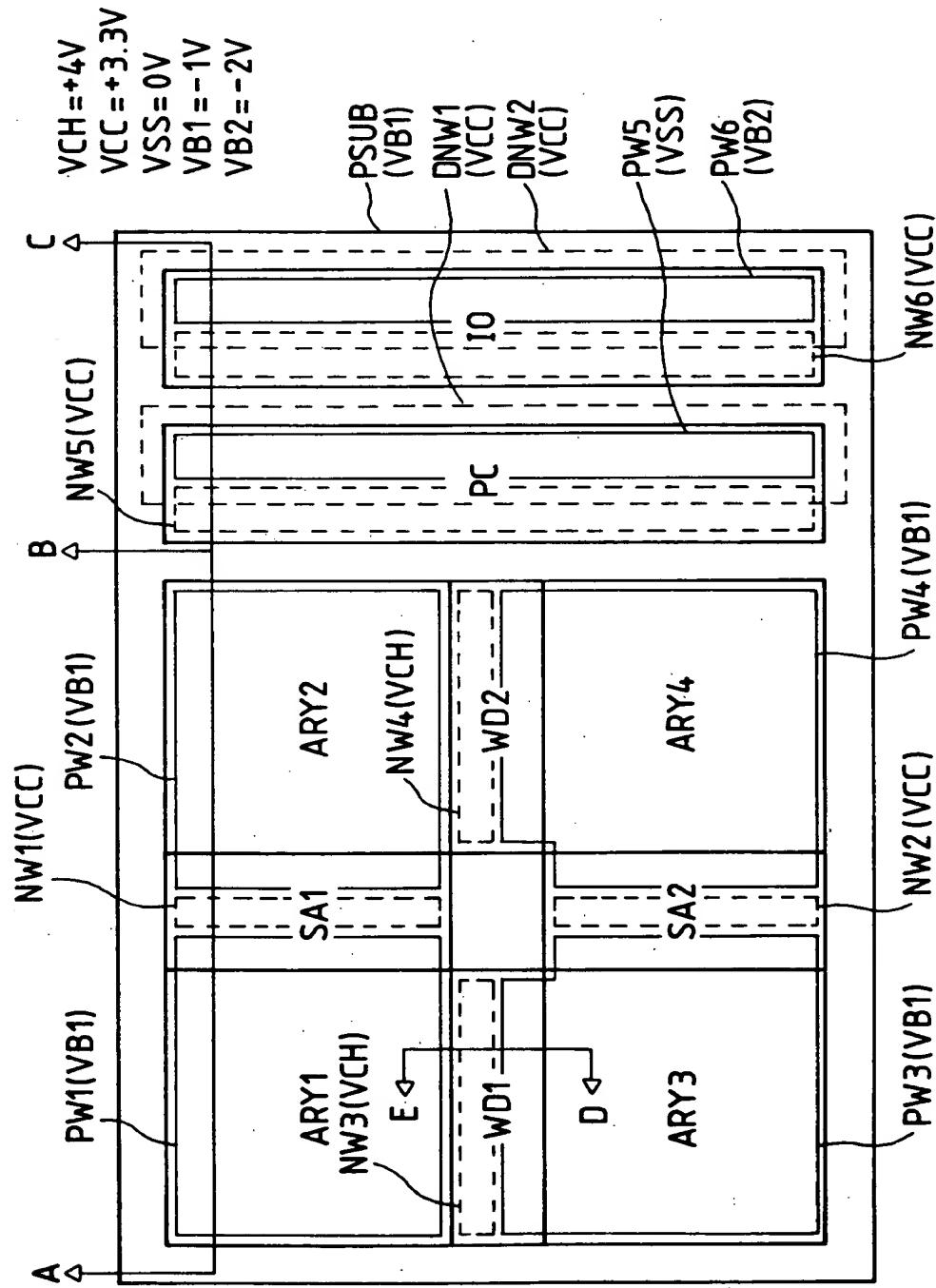


FIG. 19

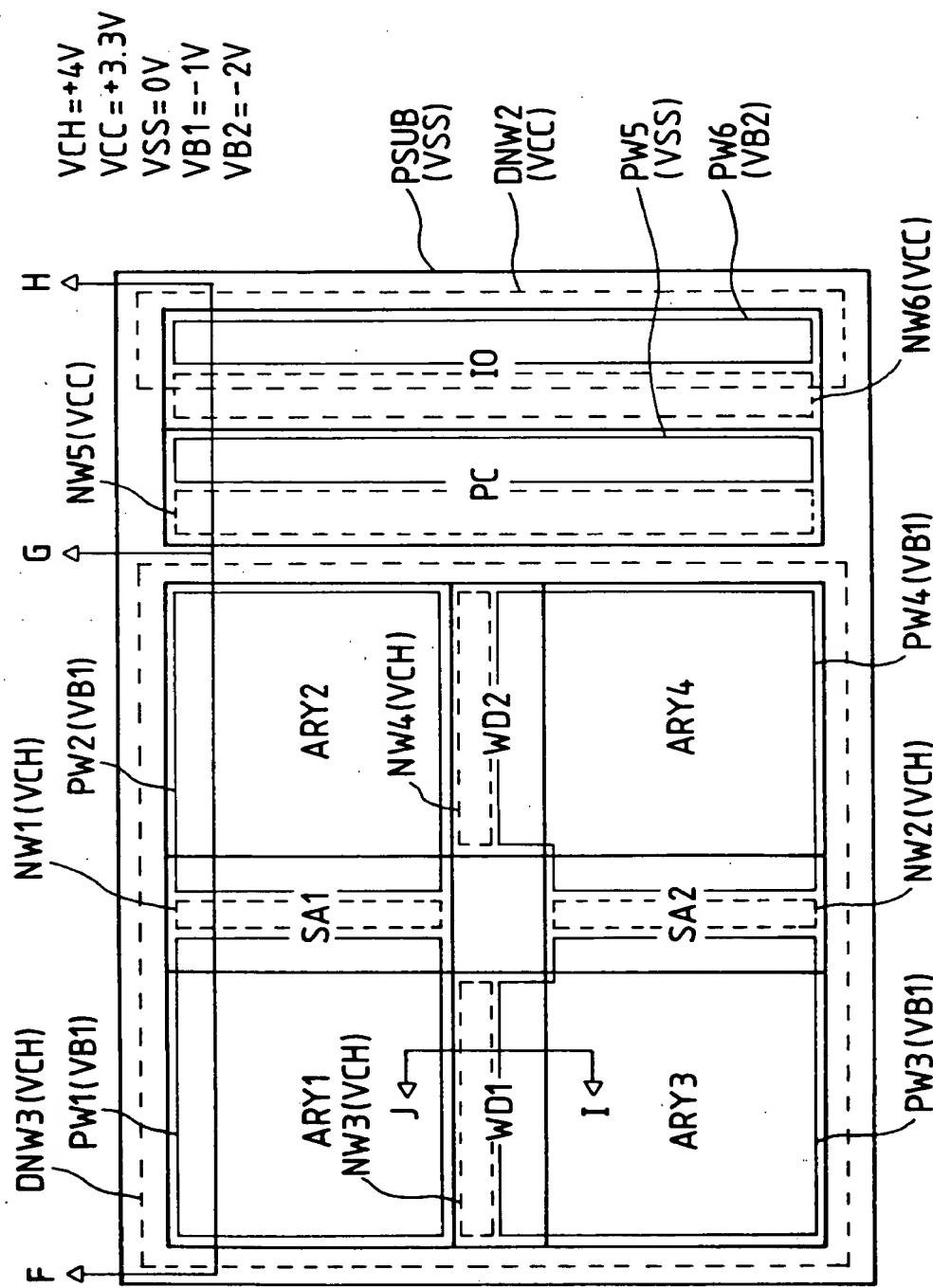


FIG. 20

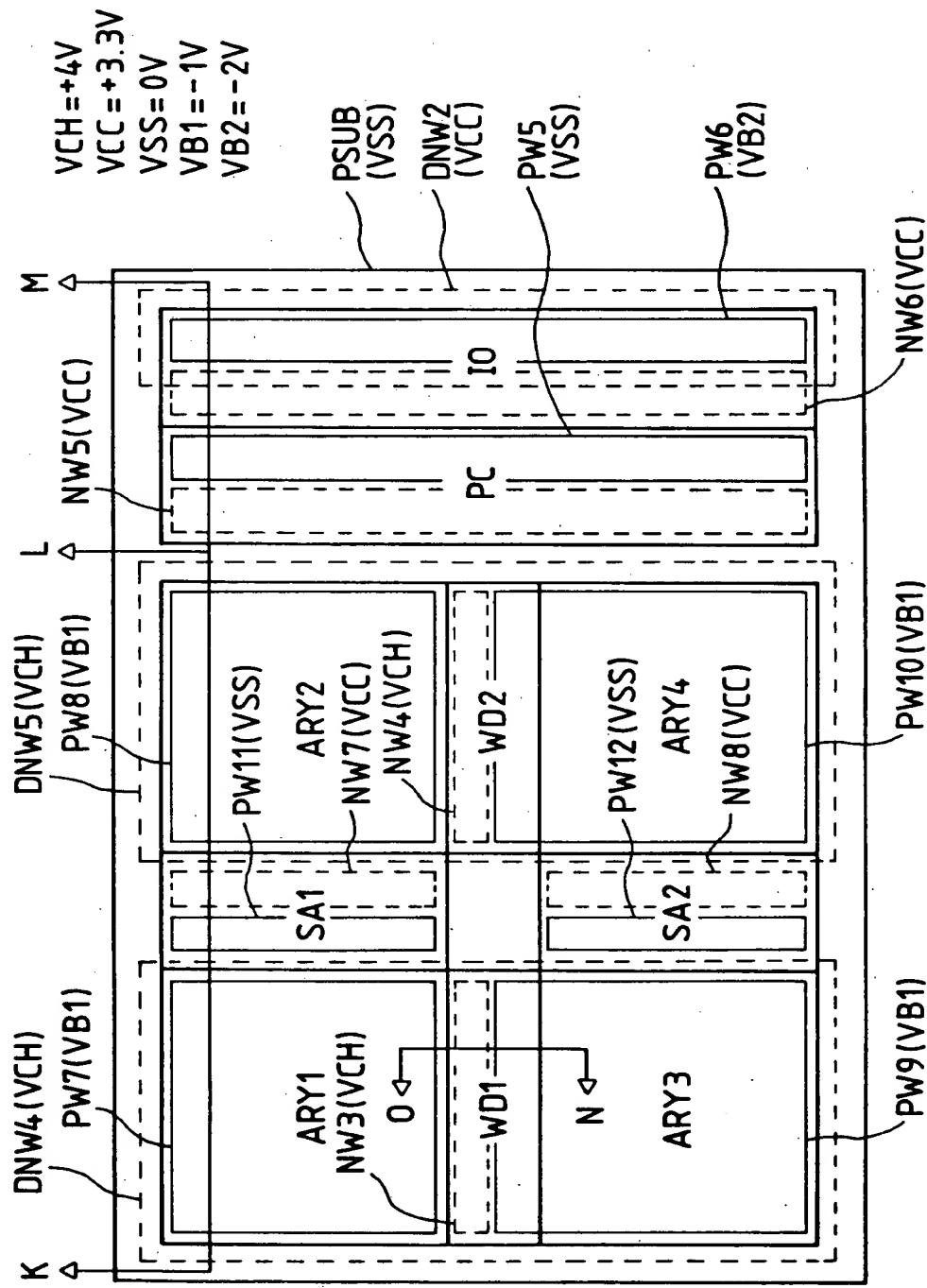
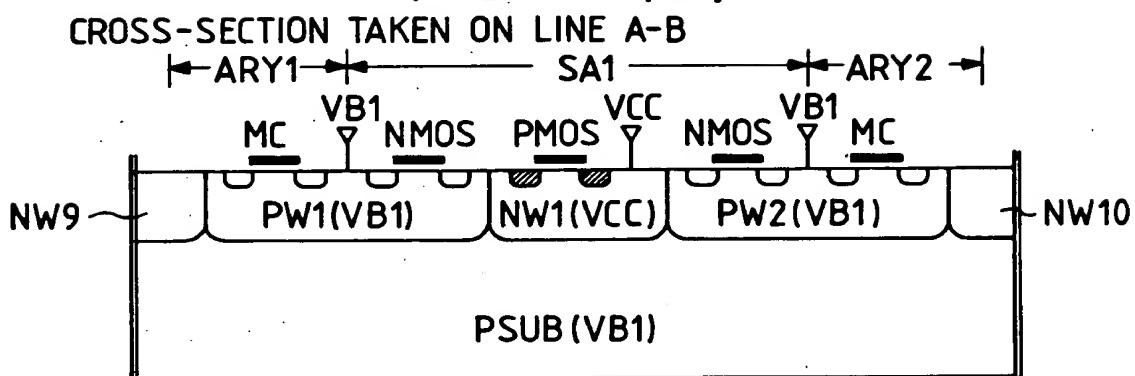
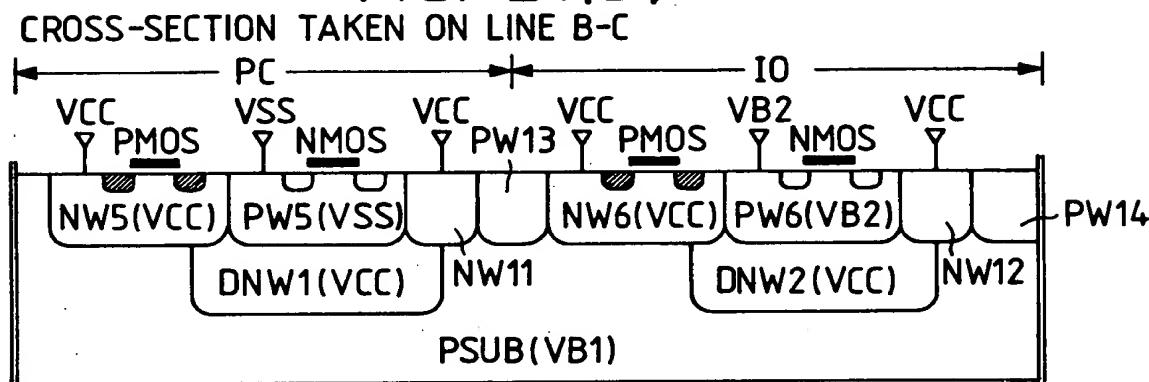
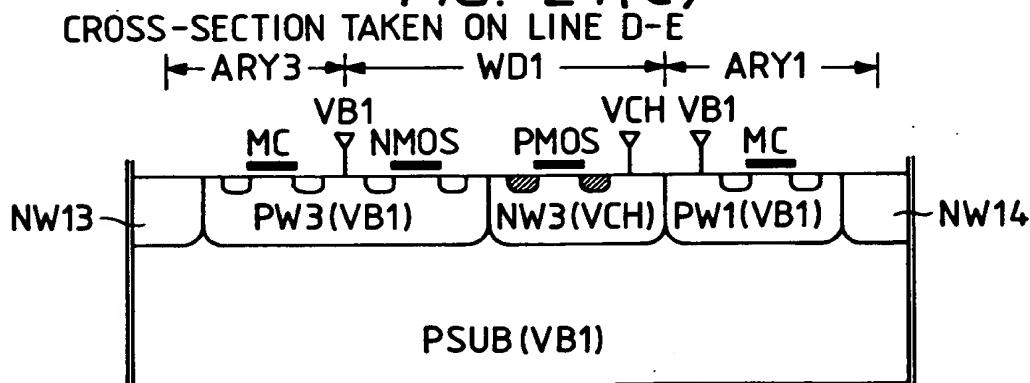


FIG. 21(A)**FIG. 21(B)****FIG. 21(C)**

■ : P⁺ DIFFUSION LAYER □ : N⁺ DIFFUSION LAYER

VCH = +4V VCC = +3.3V VSS = 0V VB1 = -1V VBB = -2V

21/22

FIG. 22(A)

CROSS-SECTION TAKEN ON LINE F-G

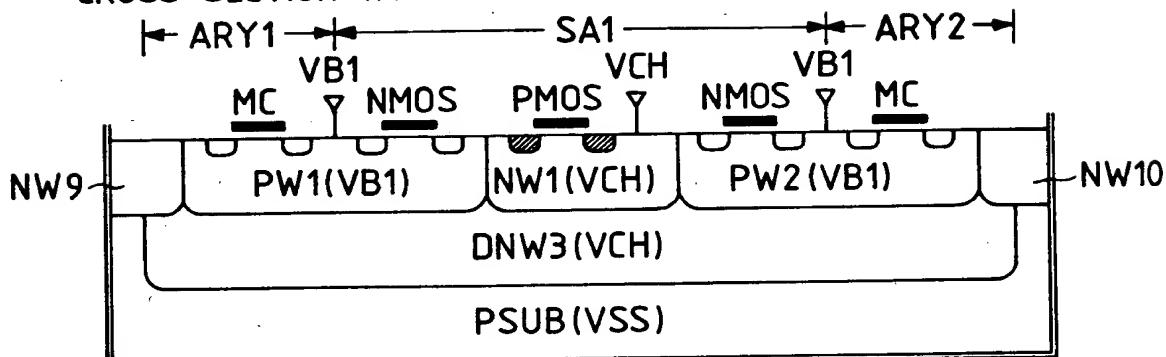


FIG. 22(B)

CROSS-SECTION TAKEN ON LINE G-H

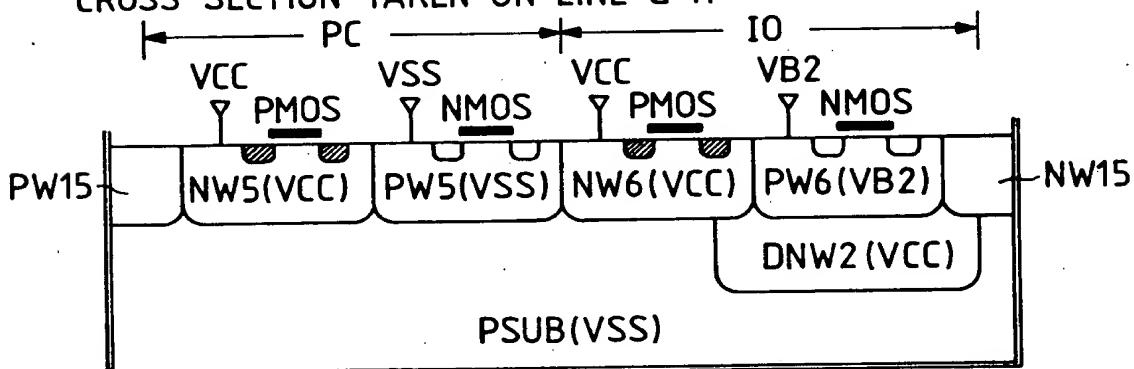
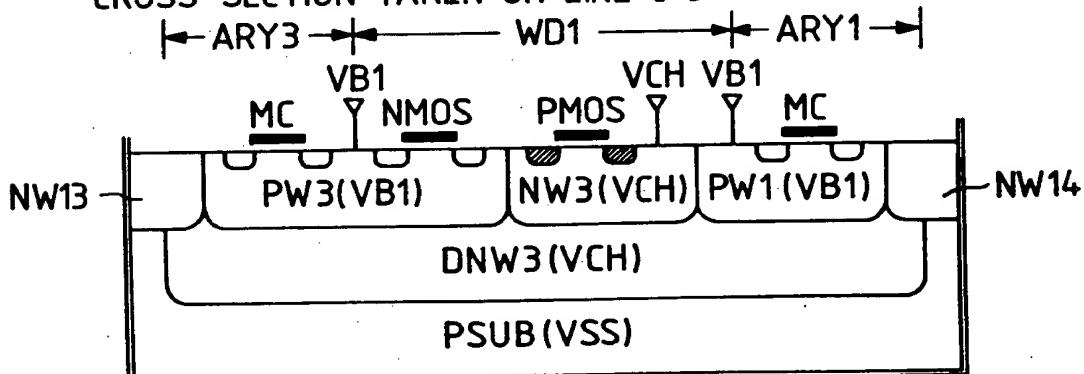


FIG. 22(C)

CROSS-SECTION TAKEN ON LINE I-J



■ : P⁺ DIFFUSION LAYER □ : N⁺ DIFFUSION LAYER

VCH = +4V VCC = +3.3V VSS = 0V VB1 = -1V VBB = -2V

22/22

FIG. 23(A)

CROSS-SECTION TAKEN ON LINE K-L

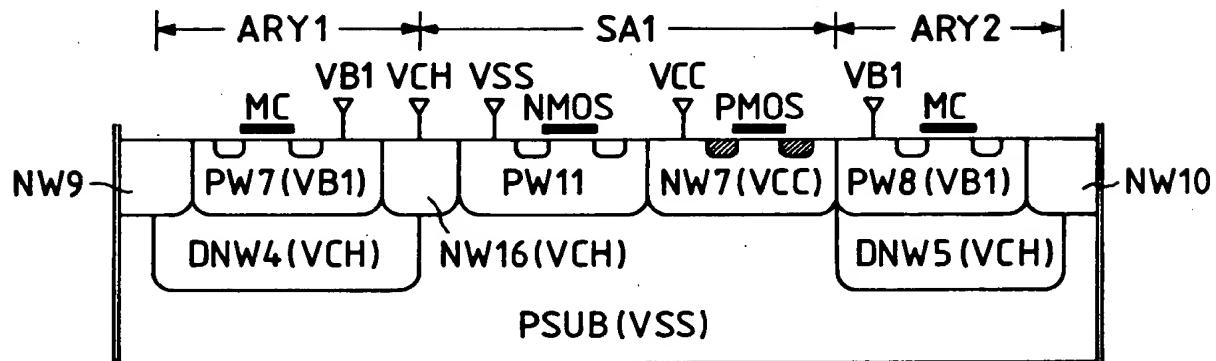


FIG. 23(B)

CROSS-SECTION TAKEN ON LINE L-M

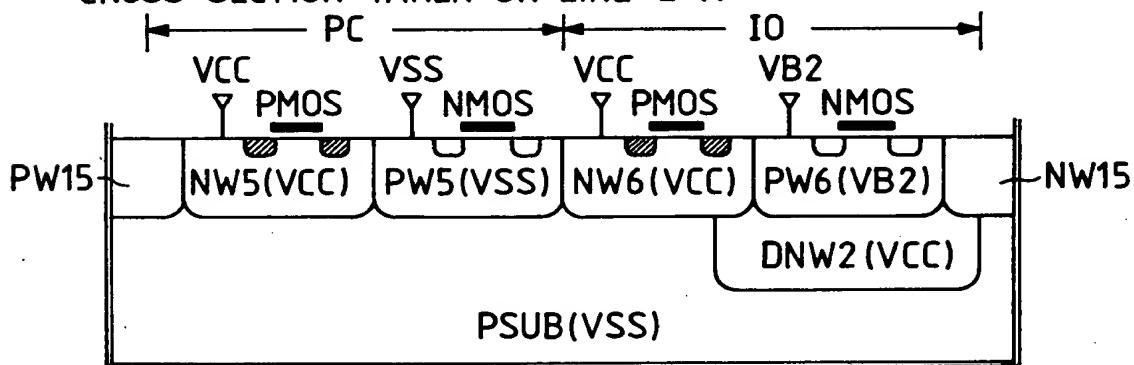
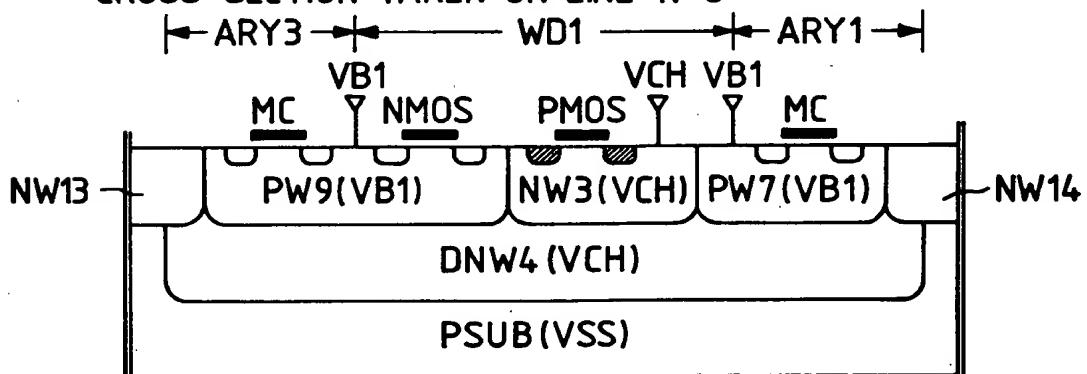


FIG. 23(C)

CROSS-SECTION TAKEN ON LINE N-O



■ : P⁺ DIFFUSION LAYER □ : N⁺ DIFFUSION LAYER

VCH = +4V VCC = +3.3V VSS = 0V VB1 = -1V VBB = -2V